

# Material Safety Data Sheet

MSDS ID: WT-294

**\*\*\* Section 1 - Chemical Product and Company Identification \*\*\***

Product Name: PRAESTOL 650 TR

Chemical Name: Copolymer of acrylamide with cationic acrylic acid derivative

**Manufacturer Information**

<p><b>Ashland, Inc.</b>                   P.O. Box 2219                  Columbus, OH 43216                  (614) 790-3333</p>	<p>Emergency Telephone Number: 1-800-ASHLAND (1-800-274-5263)                  24-hours everyday  <b>Regulatory Information Number: 1-800-325-3751</b>                  Phone: Non-emergency # (800) 242-2271</p>
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**General Comments**

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving the product. All Non-emergency questions should be directed to the Toll Free, Non-Emergency number above.

**\*\*\* Section 2 - Hazards Identification \*\*\***

**Emergency Overview**

Spilled product in contact with water or moisture causes surfaces to become extremely slippery. This product is not classified as a hazard by OSHA.

**Potential Health Effects: Eyes**

Product is not an irritant

**Potential Health Effects: Skin**

This product is not a skin irritant.

**Potential Health Effects: Ingestion**

Harmful if swallowed.

**Potential Health Effects: Inhalation**

This product is a dust. Inhalation of dusts can cause respiratory irritation. Use appropriate personal protection equipment when using this product.

**Medical Conditions Aggravated by Exposure**

Since this product is a dust, any respiratory problem may become acute if dust is inhaled. Use appropriate respiratory breathing apparatus as needed.

**HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0 Pers. Prot.: B**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

**\*\*\* Section 3 - Composition / Information on Ingredients \*\*\***

CAS #	Component
75150-29-7	1-Propanaminium, N,N,N-trimethyl-3-[(1-oxo-2-propenyl)amino]-, chloride, polymer with 2-propenamide

**Component Information/Information on Non-Hazardous Components**

Components are listed on TSCA (40 CFR 700). Not classified as an OSHA hazard under 29 CFR 1910.1200.

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## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention.

### First Aid: Skin

Wash thoroughly with soap and water.

### First Aid: Ingestion

If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel.

### First Aid: Inhalation

Move to source of fresh air.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

Take measures against electrostatic charge. The product itself is not explosive, however, fine dust may form explosive mixtures in air. Avoid deposition of dust.

**Upper Flammable Limit (UFL):** Not determined

**Lower Flammable Limit (LFL):** Not determined

**Method Used:** DIN EN 22719

**Flash Point:** >200°C

**Flammability Classification:** Not determined.

**Auto Ignition:** >400°C. Method: VDI 2263 (D) Fine dust/median 50 micron

**Lower explosion limit:** 30g/m<sup>3</sup>. Fine dust/median 50micron.

### Hazardous Combustion Products

On thermal decomposition oxides of carbon and nitrogen.

### Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

**NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures

Vacuum up product that is spilled. Flush residuals to the drain for normal biological treatment. CAUTION - spilled material in contact with water creates very slippery conditions. Place waste in a labeled container.

### Clean-Up Procedures

None specified.

### Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

### Special Procedures

Remove spills promptly as they may make floors slippery. Several washes and/or the use of detergents may be necessary to completely clean any spill.

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## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Handle as an irritant. Do not get into eyes.  
When dust is formed ensure sufficient workplace ventilation.  
Take measures against electrostatic charge.  
The product itself is not explosive, however, fine dust may form explosive mixtures in air.  
Avoid deposition of dust.

### Storage Procedures

Store product in a clean, dry area. Keep containers tightly closed.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### A: Component Exposure Limits

No information is available.

### Engineering Controls

Provide adequate ventilation to minimize worker exposure.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Safety glasses or protective goggles.

#### Personal Protective Equipment: Skin

Skin contact should be minimized. Impervious gloves (rubber or neoprene) are recommended.

#### Personal Protective Equipment: Respiratory

Use a nuisance dust mask for dusty conditions.

#### Personal Protective Equipment: General

CAUTION Extreme slipping hazard when wet.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	White to yellowish granular	<b>Odor:</b>	Slight amine
<b>Physical State:</b>	Solid	<b>pH:</b>	3-5 @10g/l (20°C)
<b>Vapor Pressure:</b>	Not applicable	<b>Vapor Density:</b>	Not applicable
<b>Boiling Point:</b>	Not applicable	<b>Melting Point:</b>	Not applicable
<b>Solubility (H2O):</b>	at 20°C, Soluble with a rise in viscosity	<b>Bulk Density:</b>	44 lbs/ft <sup>3</sup>
<b>Evaporation Rate:</b>	Not applicable	<b>Flash Point:</b>	>200°C (DIN EN 22719)

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

Stable under usual application conditions.

### Chemical Stability: Conditions to Avoid

None.

### Incompatibility

None identified.

### Hazardous Decomposition

>200°C.

### Hazardous Polymerization

Hazardous polymerization will not occur.

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## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute and Chronic Toxicity

#### A: General Product Information

Acute Oral: LD<sub>50</sub> Rat  
Dose: > 5000 mg/kg  
Method: OECD 401  
Of a 5% solution

Acute Oral: LD<sub>50</sub> Rat  
Dose: >2000 mg/kg  
OECD 402

Skin irritation: Rabbit  
Method: OECD 404  
Not irritative

Eye irritation: Hen's egg test  
Results: No irritation

Eye irritation: Result: Very slight eye irritation.  
Particle effect

Ames Test Negative

Sensitization: Guinea pig  
Result: 0% (0/20).  
Method: OECD 406  
No sensitization.

Further information: Based on knowledge of the properties of the components, adverse effects on human health are not to be expected in normal use.

### Carcinogenicity

#### A: General Product Information

NTP: No  
IARC: No  
OSHA: No

#### B: Component Carcinogenicity

No information is available.

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## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

#### A: General Product Information

Biodegradability: Due to its high polymer structure, the biodegradation of the product is negligible. Prevent concentrated product from penetrating into waters without biological waste water treatment. Because of its specific substantivity, the product can be eliminated well in biological water effluent treatment plants (binding on digestive sludge).

#### Physico-chemical

Removability: Effects on aquatic organisms are attributable to the cationic charge of the polymer. In natural surface waters, this is neutralized by irreversible adsorption to particles and dissolved organic carbon. This reduces the toxicity in surface waters by more than 10-fold.

Bacterial toxicity: *Ps. putida*

EC50 >925mg/l

Method: Oxygen consumption test (DIN 38412/27)

Toxicity to Daphniae

EC50 *Daphnia magna*

>10 mg/l

Exposure time: 48-hours

Method: OECD 202

Fish Toxicity: LC50 *Danio rerio*

>10 mg/l

Exposure time: 96-hours

Method: OECD 203

Earthworm Toxicity:

*Eisenia Foetida:*

LC50 >1000mg/kg

Method: OECD 207

Further info: Prevent concentrated product from penetrating into waters without biological waste water treatment.

Further information: Data reported in section 11 and 12 have been determined on a comparable product in the Laboratory for Toxicology and Ecology, Stockhausen, GmbH, Krefeld, Germany.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

### US EPA Waste Number & Descriptions

#### A: General Product Information

Incinerate or dispose of solidified product according to local, state and federal regulations. Unadulterated product is considered non-hazardous.

#### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

#### Disposal Instructions

Contain and collect using absorbent material if needed. Flush residuals to drain for normal biological treatment. Place collected material into suitable containers for proper disposal.

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## \*\*\* Section 14 - Transportation Information \*\*\*

### International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

SARA 313 reportable toxic chemicals - None

#### B: Clean Air Act

No information is available.

#### C: Component Analysis

No information is available.

### State Regulations

#### General Product Information

Component Analysis - State

This product contains <0.05% residual acrylamide (CAS# 79-06-1), and the following states recognize acrylamide as a carcinogen or suspected carcinogen: CA (Prop 65), MA, MN, NJ & PA.

#### California Proposition 65

The following statement is made in order to comply with the California Safe Drinking Water and Toxic enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer:

Component	CAS #
Acrylamide	79-06-1

#### New Jersey RTK Label Information

Component	CAS #
Acrylamide	79-06-1

#### Pennsylvania RTK Label information

Component	CAS #
Acrylamide	79-06-1

### Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

### Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
1-Propanaminium, N,N,N-trimethyl-3-[(1-oxo-2-propenyl)amino]-, chloride, polymer with 2-propenamido	75150-29-7	Yes	DSL	No

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<b>* * * Section 16 - Other Information * * *</b>
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## Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.

This is the end of MSDS ID: WT-294